

BID FORM

MISSOURI DEPARTMENT OF TRANSPORTATION

GENERAL SERVICES

830 MoDOT DRIVE – P.O. BOX 270

JEFFERSON CITY, MO 65101

REQUEST NO. 2-070110

DATE December 20, 2006

PAGE NO. 1 NO. OF PAGES

SEALED BIDS, SUBJECT TO THE ATTACHED CONDITIONS WILL
BE RECEIVED AT THIS OFFICE UNTIL**2:00 p.m., Local Time, January 10, 2007**AND THEN PUBLICLY OPENED AND READ FOR FURNISHING
THE FOLLOWING SUPPLIES OR SERVICES.**BIDS TO BE BASED F.O.B. MISSOURI DEPARTMENT OF
TRANSPORTATION**

Submit net bid as cash discount stipulations will not be considered

Various Locations**See attached pages**DEFINITE DELIVERY DATE SHOULD BE SHOWN. SIGN AND RETURN BEFORE TIME SET FOR OPENING. **ALL BIDS
SHOULD BE EXTENDED AND TOTALED.**BUYER: Brenda Tyree
BUYER EMAIL:
Brenda.Tyree@modot.mo.gov

BUYER TELEPHONE: 573- 751-7482

ITEM NO.	SUPPLIES OR SERVICES	MFG. NO. OR BRAND	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001	<p>To establish a contract to furnish “Traffic Signal Parts” with an effective date of March 1, 2007 and ending February 28, 2008, in accordance with the following pages.</p> <p>Return sealed bid to the address shown at the top of this page.</p>					

(SEE ATTACHED FOR CONDITIONS AND INSTRUCTIONS)

*In compliance with the above Request For Bid, and subject to all conditions thereof, the undersigned bidder agrees to furnish and deliver
any or all the items on which prices were bid within the timeframe specified herein, after receipt of formal purchase order.*

Date: _____

Telephone No.: _____

Fax No.: _____

Federal I.D. No. _____

Email Address: _____

Firm Name: _____

Address: _____

By (Signature): _____

Type/Print Name _____

Title: _____

MISSOURI DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL PARTS ORDER

STATEWIDE PURCHASE

All equipment shall conform to the latest revision of Section 1061, 1062 and 1092 of the Missouri Standard Specifications for Highway Construction and Section 902 of the Missouri Standard Plans for Highway Construction. Standard Plans and Standard Specifications are available on MoDOT's website, www.modot.state.mo.us or for purchase by calling 1-888-ASK-MODOT.

Only items on the latest revision of the Missouri Department of Transportation Approved Products List for Traffic Signals and Highway Lighting Equipment will be accepted. The attached equipment lists shall be completed and returned with the bids. If a category is not on the Approved Products List, specifications shall be submitted to compare with MoDOT specifications.

Contract Period and Bid Prices

Bid prices shall be submitted based on anticipated quantities provided on the order forms. After the low bidder is determined, MoDOT districts will be notified which vendor has received the annual contract and district staff will place orders based on individual needs through the contract period.

The contract period shall be date of award through one year or until 200 percent of the original purchase order quantity is purchased, which ever occurs first. Quantities contained in this bid are approximate. Ordered quantities will vary depending on district requirements. Bid prices shall be fixed through the contract period for delivery to any of the following locations in Missouri: St. Joseph, Macon, Hannibal, Kansas City, Jefferson City, St. Louis, Joplin, Springfield, Rolla, Willow Springs, and Sikeston.

Award

Vendors may bid on any or all groups. These groups are defined as "Signals and Hardware," "Controller Accessories," "Wire and Cable" and "Pull Boxes." The right is reserved to award all or none, by group, of the traffic signal accessories to a bidder, or to reject any and all bids.

Delivery

All equipment must be received at the specified destination within **30 calendar days** after the issue date of the purchase order unless otherwise specified on the purchase order. Failure to deliver equipment in the specified delivery time will give the Commission, at its discretion, the right to cancel the remainder of the contract without being considered in breach of contract and without any additional payment to the bidder.

TRAFFIC SIGNAL ACCESSORIES EQUIPMENT LIST **SIGNALS AND HARDWARE**

The following list shall be completed and returned with the bid. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>
Signal Heads - Aluminum		
Signal heads shall be assembled with extended view LEDs and visors and furnished with backplates.		
Backplate		
LED Brand/Model No. (Green Ball)		
LED Brand/Model No. (Red Ball)		
LED Brand/Model No. (Yellow Ball)		
LED Brand/Model No. (Green Arrow)		
LED Brand/Model No. (Yellow Arrow)		
Signal Heads - Polycarbonate		
Signal heads shall be assembled with extended view LEDs and visors and furnished with backplates.		
Backplate		
LED Brand/Model No. (Green Ball)		
LED Brand/Model No. (Red Ball)		
LED Brand/Model No. (Yellow Ball)		
LED Brand/Model No. (Green Arrow)		
LED Brand/Model No. (Yellow Arrow)		
Pedestrian Head – 1-Section With Pedestrian LED Signal and Clamshell Mounting		
Pedestrian Head - 1-Section		
Pedestrian LED Signal		
Clamshell Mounting		

Pedestrian Head – 1-Section With
Pedestrian LED Signal and
Side-of-Pole Bracket

Pedestrian Head – 1-Section		
Pedestrian LED Signal		
Side-of-Pole Bracket		
Pedestrian LED Signal (Replacement)		
Pedestrian Push-Button, Pole Mount		
Pedestrian Push-Button, Flat Mount		
Pedestrian Push-Button, ADA Compliant		
Pedestrian Push-Button, ADA Compliant Retrofit		
Glass Lenses - Green Ball		
Glass Lenses - Amber Ball		
Glass Lenses – Red Ball		
Glass Lenses - Green Arrow		
Glass Lenses - Amber Arrow		
Hardware		
3/8" Strandvise – Reliable 5202		
1/4" Strandvise – Reliable 5200		
3/4" Stainless Steel Banding Material		
4" Spun Aluminum Pole, Schedule 80		
Aluminum Base Assy., Heat Treated W/ Plastic Door		
Aluminum Base Assy. W/ Alum. Door		
Aluminum Base Assy. W/ Plastic Door		

Signed: _____ Title: _____ Date: _____

**TRAFFIC SIGNAL ACCESSORIES EQUIPMENT LIST
CONTROLLER ACCESSORIES**

The following list shall be completed and returned with the bid. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>
NEMA Load Switches	_____	_____
NEMA Flashers	_____	_____
NEMA Flash Transfer Relays	_____	_____
NEMA-Plus Conflict Monitor (12-channel)	_____	_____
2-Channel Card Rack Detectors, Time Delay	_____	_____

Signed: _____ Title: _____ Date: _____

**TRAFFIC SIGNAL ACCESSORIES EQUIPMENT LIST
WIRE AND CABLE**

The following list shall be completed and returned with the bid. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>IMSA Specification Number</u>
Loop Lead-In Wire, 2-Conductor, 14 gauge	_____	_____
Loop Wire - 14 gauge XHHW in-duct	_____	_____
1/4" Messenger Wire Cable Steel (Class A)	_____	_____
3/8" Messenger Wire Cable Steel (Class A)	_____	_____
10-Conductor Signal Wire	_____	_____
7-Conductor Signal Wire	_____	_____
5-Conductor Signal Wire	_____	_____
3-Conductor Signal Wire	_____	_____

Signed: _____ Title: _____ Date: _____

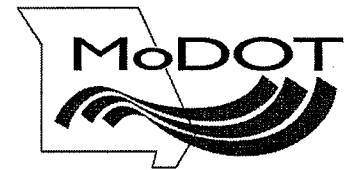
TRAFFIC SIGNAL ACCESSORIES EQUIPMENT LIST
PULL BOXES

The following list shall be completed and returned with the bid. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>
Preformed Pull Box - Class 1	_____	_____
Preformed Pull Box - Class 2	_____	_____
Preformed Pull Box - Class 3	_____	_____
Preformed Pull Box - Class 5	_____	_____

Signed: _____ Title: _____ Date: _____

MISSOURI DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING
SIGNAL PARTS ORDER FORM - FY 2007



Quantity	Unit	Description of Parts - Signals and Hardware	UNIT PRICE	AMOUNT
		<i>All five section signal heads shall be assembled with Pelco hardware. Signal heads shall be assembled with extended view LEDs and visors and furnished with backplates.</i>		
0	ea	3-Section Aluminum Signal Heads with Aluminum Backplates (R-Y-G)		
0	ea	3-Section Aluminum Signal Heads with Aluminum Backplates (R-Y-S)		
0	ea	3-Section Aluminum Signal Heads with Aluminum Backplates (R-YL-L)		
276	ea	3-Section Polycarbonate Signal Heads (R-Y-G)		
80	ea	3-Section Polycarbonate Signal Heads (R-Y-S)		
58	ea	3-Section Polycarbonate Signal Heads (R-YL-L)		
0	ea	4-Section Aluminum Signal Heads (R-Y-S-L)		
0	ea	4-Section Aluminum Signal Heads (R-Y-S-Rt)		
20	ea	4-Section Polycarbonate Signal Heads (R-Y-S-L)		
10	ea	4-Section Polycarbonate Signal Heads (R-Y-S-Rt)		
0	ea	5-Section Aluminum Signal Heads - Vertical - Side or Top-Mount		
10	ea	5-Section Polycarbonate Signal Heads - Vertical - Side or Top-Mount		
0	ea	5-Section Aluminum Signal Heads - 1-2-2 - Overhead Mount		
		with Pelco Hardware (SP-1031-MO)		
41	ea	5-Section Polycarbonate Signal Heads - 1-2-2 - Overhead Mount		
		with Pelco Hardware (SP-1031-MO)		
1334	ea	Pedestrian Head - 1-Section with Pedestrian LED Signal and Clamshell Mounting		
12	ea	Pedestrian Head - 1-Section with Pedestrian LED Signal and Side-of-Pole Bracket		
120	ea	Pedestrian LED Signal (Replacement)		
68	ea	Rect. Ped. Push-Button Assy. - Pole Mount (#SE-2000-00)		
60	ea	Rect. Ped. Push-Button Assy. - Flat Mount (#SE-2000-00)		
80	ea	Ped. Push-Button Assembly - ADA Compliant (BDLM2-B/PBC-B)		
88	ea	Ped. Push-Button Assembly - ADA Compliant - Retrofit (RBDLM2-B-2H)		
0	ea	Glass Lenses - Green Ball		
0	ea	Glass Lenses - Amber Ball		
0	ea	Glass Lenses - Red Ball		
0	ea	Glass Lenses - Green Arrow		
0	ea	Glass Lenses - Amber Arrow		

**MISSOURI DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING
SIGNAL PARTS ORDER FORM - FY 2007**



Quantity	Unit	Description of Parts - Signals and Hardware	UNIT PRICE	AMOUNT
132	ea	12-Circuit Disconnect Hanger Assembly (#SE-3073)		
132	ea	Break-A-Way Tether Assembly, tri stud (#SE-5050)		
245	ea	Serrated Ell (90 degree elbow) (#SE-0457)		
120	ea	Tri-Stud Balancer Assembly, 3/4" width (#SE-5034)		
78	ea	Tri-Stud Wire Hanger Assembly (#SE-5089)		
265	ea	Vertical Slip Tee (#SE-0458)		
120	ea	Horizontal Slip Tee (#SE-0474)		
86	ea	Slip Fitter, for 3 & 4 way signal (#SE-3029)		
60	ea	Span Wire Clamp, 3/4" width (#SE-0321)		
150	ea	Span Wire Clamps, Alum., 3/4" w/ J-bolts (#SE-0321)		
56	ea	Type 316 Stainless Steel Band (#US-8124-56) - 100 package quantity		
50	box	1-Bolt Flared Leg Bracket (.075" thick) (#US-8120-21) - 50 per box		
270	ea	3/8" Strandvise - Reliable 5202		
219	ea	1/4" Strandvise - Reliable 5200		
99	box	3/4" Stainless Steel Banding Material - 100' box		
138	ea	Spun Aluminum Pole, Toe, SCH 80, 15' length (#PB-5102)		
104	ea	Alum. Base Assy., Heat Treated w/ plastic door (#PB-5336)		
50	ea	Alum. Base Assy. w/ steel coupling & aluminum door (#PB-5341)		
2	ea	Alum. Base Assy. w/ steel coupling & plastic door (#PB-5341)		

For questions regarding this order form, please contact Terri Finley at (573) 526-4236.

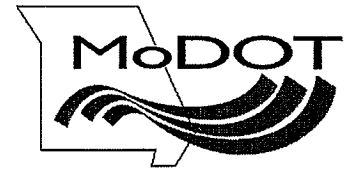
Total Bid _____

Name

Phone

Date

**MISSOURI DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING
SIGNAL PARTS ORDER FORM - FY 2007**



Quantity	Unit	Description of Parts - Controller Accessories	UNIT PRICE	AMOUNT
96	ea	NEMA Load Switches		
207	ea	NEMA Flashers		
64	ea	NEMA Flash Transfer Relays		
50	ea	NEMA-Plus Conflict Monitor (12-Channel)		
60	ea	2-Channel Card Rack Detectors, Time Delay		

For questions regarding this order form, please contact Terri Finley at (573) 526-4236.

Total Bid _____

Name

Phone

Date

**MISSOURI DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING
SIGNAL PARTS ORDER FORM - FY 2007**



Quantity	Unit	Description of Parts - Wire and Cable	UNIT PRICE	AMOUNT
2	spool	Loop Lead-In Wire, 2-Conductor - 14 gauge - 2500' spool		
8	spool	Loop Lead-In Wire, 2-Conductor - 14 gauge - 1000' spool		
7	spool	Loop Wire - 14 gauge XHHW in-duct - 2500' spool		
52	coil	1/4" Messenger Wire Cable Steel (Class A) - 250' Coil (Sec. 902.8 & Std. Dwg. 902.70)		
69	coil	3/8" Messenger Wire Cable Steel (Class A) - 250' Coil		
0	spool	10-Conductor signal wire - 500' wooden spool		
11	spool	7-Conductor signal wire - 2500' wooden spool		
8	spool	7-Conductor signal wire - 500' wooden spool		
5	spool	5-Conductor signal wire - 2500' wooden spool		
7	spool	3-Conductor wire - 2500' wooden spool		

For questions regarding this order form, please contact Terri Finley at (573) 526-4236.

Total Bid _____

Name

Phone

Date

**MISSOURI DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING
SIGNAL PARTS ORDER FORM - FY 2007**



Quantity	Unit	Description of Parts - Pull Boxes	UNIT PRICE	AMOUNT
76	ea	Preformed Pull Box - Class 1 - Cover Embossed with "STATE SIGNALS"		
49	ea	Preformed Pull Box - Class 1 - Cover Embossed with "STATE LIGHTING"		
30	ea	Preformed Pull Box - Class 2 - Cover Embossed with "STATE SIGNALS"		
20	ea	Preformed Pull Box - Class 2 - Cover Embossed with "STATE LIGHTING"		
2	ea	Preformed Pull Box - Class 3 - Cover Embossed with "STATE SIGNALS"		
2	ea	Preformed Pull Box - Class 3 - Cover Embossed with "STATE LIGHTING"		
5	ea	Preformed Pull Box - Class 5 - Cover Embossed with "STATE SIGNALS"		
0	ea	Preformed Pull Box - Class 5 - Cover Embossed with "STATE LIGHTING"		

For questions regarding this order form, please contact Terri Finley at (573) 526-4236.

Total Bid _____

Name

Phone

Date



Traffic Operations

APPROVED PRODUCTS LIST

**TRAFFIC SIGNALS AND HIGHWAY
LIGHTING EQUIPMENT**

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

TRAFFIC SIGNALS AND HIGHWAY LIGHTING EQUIPMENT

I. GENERAL

This Approved Products List (APL) is based on equipment meeting department specifications and being tested for the specified test period with satisfactory performance. All models shall conform to the latest revision of the Missouri Standard Specifications for Highway Construction unless otherwise indicated. The models indicated on the list are approved, but are subject to final field inspection before acceptance.

The department frequently tests new products and equipment for traffic signals and highway lighting. These new products may be installed on a construction project, purchased on parts orders or with controller orders. Vendors may also submit items, at no cost to the department, for the test period. Only a limited number of units will be accepted for test statewide until an item is added to the Approved Products List. A vendor wishing to initiate a test on a new product shall submit a Product Evaluation Request Form - Signal and Lighting Equipment. Copies of this form can be obtained from our website at www.modot.state.mo.us or contact MoDOT Traffic Operations. Minor model changes do not require an evaluation period, although the vendor shall submit specification sheets and a sample of the product for the Department to inspect.

All equipment evaluations are coordinated through MoDOT Traffic Operations. The vendor supplying the equipment shall provide equipment specifications and a certification that the equipment meets department specifications before the test is performed. The equipment is tested for the period specified on the APL. Products that are not performing satisfactorily will be replaced with an approved product if the vendor cannot provide timely correction of the problem or if unsatisfactory operation of the intersection results.

If a vendor is proposing a product that does not meet department specifications, an explanation of why the product meets or exceeds the current specifications must be provided by the vendor in writing to Traffic Operations. If approved, the product may be tested for the specified period as described above. If the product is satisfactory, the Department will consider a revision to the applicable specifications. Products will not be added to the Approved Products List that do not meet department specifications.

Products on the APL shall continue to perform satisfactorily. In addition, the vendors shall support the products. Products not performing as required or not supported are subject to removal from the APL.

Grounds for removal of products include but are not limited to:

- Significant change in product specifications or design without notification to the department.

- Failure to correct or replace products that are defective in manufacturing or workmanship.

- Repeated patterns of malfunctions of a product not adequately corrected by the vendor.

- Unreasonable pricing of repair parts or repair work. Repair work not completed in a reasonable time frame.

- Excessive delivery times for new purchases or replacement parts.

Changes in standard specifications may also necessitate removal of specific products from the APL. If this occurs, there will be a grace period where the product will be retained on the list after the specifications are changed. However the product will be removed from the list if it is not revised to meet specifications.

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

II. TRAFFIC SIGNAL EQUIPMENT

All traffic signal equipment requires a one-year evaluation period.

CONTROLLERS

NEMA TS1 CONTROLLERS	MODEL
Eagle	EPAC Genesis M40
Eagle	EPAC M42
Eagle	EPAC M52
Econolite	ASC/2-2100
Econolite	ASC/2S-2100
Naztec	980
Peek	3000
Traffic Control Technologies (TCT)	LMD-8000

NEMA ON-STREET MASTER CONTROLLER	MODEL
Eagle	MARC 360
Econolite	KMC-10,000
Econolite	ASC/2M

SOLID STATE PRETIMED CONTROLLERS (ALL TYPES)	MODEL
Eagle	EPIC Series
Traffic Control Technologies (TCT)	LMD 40 Series

170 CONTROLLERS	MODEL
Eagle	170E
McCain	170E
Phillips/Sisson Industries, Inc.	170E
Safetran	170E

CABINETS AND BACK PANELS (NEMA & S.S. PRETIMED)

NOTE: Cabinets and Back panels that meet MoDOT specifications from the following manufacturers will be accepted. ALL other manufacturers must provide a model that meets specifications and complete a satisfactory one-year evaluation as described above to be added to the list.

NEMA CABINET AND BACK PANEL ASSEMBLIES

Control Technology
Eagle
Econolite
Henke/Bison
IDC/Gibbons
Naztec P-44

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

SOLID STATE PRETIMED CABINET AND BACK PANEL ASSEMBLIES

Eagle

CABINETS AND RACKS (TYPE 170 CONTROLLERS)

NOTE: Cabinets and Racks that meet MoDOT specifications from the following manufacturers will be accepted. ALL other manufacturers must provide a model that meets specifications and complete a satisfactory one-year evaluation as described above to be added to the list.

332 AND 336S CABINET AND RACK ASSEMBLIES

McCain
Phillips/Sisson Industries, Inc.
Safetran

CONFLICT MONITORS

NEMA CONFLICT MONITORS

MODEL

Eberle Design Incorporated (EDI).....	NSM-6
Eberle Design Incorporated (EDI).....	NSM-12
Eberle Design Incorporated (EDI).....	SSM-12LE
Naztec, Incorporated	NM512
Peek/Transyt.....	1200
Power Distribution & Control (PDC).....	CM82-03
Power Distribution & Control (PDC).....	CM82-06
Power Distribution & Control (PDC).....	CM82-12
Solid State Devices.....	NM-6
Solid State Devices.....	NM-12
Solid State Devices.....	LCD-6P
Solid State Devices.....	LCD-12P
Traffic Control Technologies (TCT)	LNМ Series

170 CONFLICT MONITORS

MODEL

Eberle Design Incorporated (EDI).....	210E
Solid State Devices.....	210P

CABINET ACCESSORIES

AUXILIARY TIME CLOCK

MODEL

Eltec.....	NTC-17E
Eltec.....	TC-14
RTC.....	AP41

EXTERNAL T.B.C. COORDINATORS

MODEL

Eltec.....	TC-14
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MISSOURI DEPARTMENT OF TRANSPORTATION

APPROVED PRODUCTS LIST

FLASHERS (170)

MODEL

Solid State Devices.....	204D
TSC.....	204-15

FLASHERS (NEMA)

MODEL

Eberle Design Incorporated (EDI).....	810
Power Distribution & Control (PDC).....	SSF-86
Power Distribution & Control (PDC).....	SSF-88

FLASH TRANSFER RELAYS

MODEL

AMECO.....	136-4962
Magnacraft.....	W21ACPX-2/W21ACPXD-5
Mid-Tex.....	136-62T-3A1
Power Distribution & Control (PDC).....	FTR 91

LOAD SWITCHES (170)

MODEL

Power Distribution & Control (PDC).....	200
Solid State Devices.....	200D
TSC.....	200 CUBE

LOAD SWITCHES (NEMA)

MODEL

Eberle Design Incorporated (EDI).....	510
Power Distribution & Control (PDC).....	SSS-86
Power Distribution & Control (PDC).....	SSS-88
Traffic Control Technologies (TCT).....	SSS-86

ISOLATORS (170 only) (242=DC, 252=AC)

MODEL

Detector Systems.....	242
Detector Systems.....	252
GDI.....	242
GDI.....	252
Power Distribution & Control (PDC).....	242
Power Distribution & Control (PDC).....	252
Safetran	242
Safetran	252

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

SURGE PROTECTORS

MODEL

Edco	SHA 1210
Edco	SHA-1250

TONE RECEIVERS

MODEL

Iniven	IR30M-05-30
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TONE TRANSMITTERS

MODEL

Iniven	IT30
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DETECTORS

MICROWAVE DETECTORS

MODEL

Microwave Sensors.....	TC-26B
Electronic Integrated Systems, Inc. (EIS)	RTMS X-2

MICROLOOP, PROBE

MODEL

3M	Canoga 701
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PEDESTRIAN PUSH BUTTONS

MODEL

Pelco	SE-2000-00 (Round Pole Mount)
Pelco	SE-2001-00 (Flat Mount)
Polara Bull Dog	BDLM2-B/PBC-B (ADA Compliant)

POWER SUPPLY FOR CARD RACK DETECTORS - NEMA

MODEL

Detector Systems.....	205
ICC	PS24
PGK	PS-1.2

SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD MODEL

Detector Systems.....	910
Eberle Design Incorporated (EDI).....	LM301
Sarasota.....	535B/MS

SINGLE CHANNEL SHELF MOUNT DETECTORS, TIME DELAY MODEL

Detector Systems.....	913
Eberle Design Incorporated (EDI).....	LM301T
Sarasota.....	535T/MS

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

ULTRASONIC DETECTORS

MODEL

Microwave Sensors.....TC-30

2-CHANNEL CARD RACK COUNTING DETECTORS, DUAL OUTPUT

Eberle Design Incorporated (EDI).....LM632

2-CHANNEL CARD RACK COUNTING DETECTORS, SINGLE OUTPUT PULSE MODE (170)

MODEL

Detector Systems.....222R
Sarasota.....222-GP5
Sarasota.....222 GP6

2-CHANNEL CARD RACK COUNTING DETECTORS, SINGLE OUTPUT PULSE MODE (NEMA)

MODEL

Eberle Design Incorporated (EDI).....LM632T
ICC.....S27B
Reno A & EC

2-CHANNEL CARD RACK DETECTORS, STANDARD (170)

MODEL

Detector Systems.....222R
Eberle Design Incorporated (EDI).....LM222
Reno A & E222
Sarasota.....222-GP5
Sarasota.....222 GP6

2-CHANNEL CARD RACK DETECTORS, STANDARD (NEMA)

MODEL

Eberle Design Incorporated (EDI).....LM602
ICC.....S27B
Reno A & EC
Reno A & EG

2-CHANNEL CARD RACK DETECTORS, TIME DELAY (170)

MODEL

Sarasota.....222T-GP5
Sarasota.....222T GP6

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

2-CHANNEL CARD RACK DETECTORS, TIME DELAY (NEMA)

MODEL

3M.....	Canoga C800 Series
Detector Systems.....	262CR
Eberle Design Incorporated (EDI).....	LM602T

SIGNAL HEADS

BACKPLATES

MODEL

Neodesia Plastics.....	BP Series
Pelco.....	BK-100x Series
Chapel Hill	44xx Series

HARDWARE

NOTE: Hardware that meets MoDOT specifications from the following manufacturers will be accepted. ALL other manufacturers must provide equipment that meets specifications and complete a satisfactory six-month evaluation as described above to be added to the list.

Pelco	
Reliable 3/8" Strandvise	5202
Reliable 1/4" Strandvise	5200

LOUVERS

MODEL

Pelco.....	GPL
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POLYCARBONATE SIDE-MOUNT BRACKETS WITH RELATED HARDWARE

MODEL

Component Products.....	Any
Eagle	UKS1452AB

SIGNAL HEADS - ALUMINUM CONVENTIONAL

MODEL

Automatic/Eagle	SIG Series
McCain	MTSA Series
Safetrans/IDC.....	ST Series
Traffic Control Technologies (TCT).....	HSS Series

SIGNAL HEADS - ALUMINUM PEDESTRIAN

MODEL

Automatic/Eagle	SIG Series
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SIGNAL HEADS - OPTICALLY LIMITED

MODEL

3M.....	HVS 131 Series
McCain	HPTS Series

MISSOURI DEPARTMENT OF TRANSPORTATION

APPROVED PRODUCTS LIST

SIGNAL HEADS - POLY CONVENTIONAL

MODEL

Chapel Hill	SIG-TPB-305-CTN-NVN-0N (3 section)
Chapel Hill	SIG-TPB-586-CTN-NVN-0N (5 section)
Eagle	SA Series
General Traffic Equipment Corp.....	T-30 POLY
IDC/Safetrans.....	LT Series
McCain	MTSTP Series
Traffic Control Technologies (TCT).....	PSS Series

PEDESTRIAN HEAD – POLY 1-SECTION.....MODEL

McCain	M32258L (clamshell mount left)
McCain	M32258R (clamshell mount right)
McCain	M32258 (side-of-pole mount)

PEDESTRIAN HEAD MOUNTING – CLAMSHELL

MODEL

McCain	P9050B
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PEDESTRIAN LED SIGNAL INDICATION

Act One Communications, Inc.....	TP-16WP-1
Dialight.....	430-6473-001
Gelcore.....	PS7-CFC1-01A
Gelcore.....	PS7-CFF1-01A-18 (countdown timer)
Leotek.....	TSL-PED-DP-16-FS

SIGNAL LENSES-GLASS

MODEL

Eagle	PBL Series
Kopp	Any
McCain	MSP Series

POSTS AND MAST ARMS

Note: Posts and Mast Arms do not require an evaluation period. Posts and Mast Arms shall be fabricated in accordance with MoDOT specifications and standards. Posts and Mast Arms shall be pre-approved as required by the MoDOT standards and specifications to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Posts and Mast Arms are subject to field inspection before acceptance.

STEEL POSTS AND MAST ARMS

DRAWING NUMBER

Ameron International.....	MO9811 - Rev. 9 (Type C)
Ameron International.....	MO9812 - Rev. 10 (Type CL)
JEM Engineering & Manufacturing.....	MODOT1-4 Rev. 2 (Types C, CL, B & BL)
Union Metals.....	30443-B202 - Rev. 18 (Types C, CL, B & BL)
Valmont	DB00408 - Rev. C (Types C, CL, B & BL)

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

MISCELLANEOUS

LOOP SEALANTS	MODEL
(Loop sealants do not require material certification)	
3M.....	5000
Bondo	560
Bondo	575
Bondo	P606
Chemque	290S
Chemque	296-06
Durant Paints.....	Stat-A-Flex Polyseal
RAI Products	Pro-Seal 6006

PEDESTAL BASES	MODEL
Component Products.....	CPI-BAS-1
Pelco.....	PB5336
Pelco.....	PB5337
Pelco.....	PB5340
Pelco.....	PB5341
Traffic Parts	TP 289 X

SPLICE KITS (DETECTOR LEAD-IN)	MODEL
3M.....	DBY Series
HOMAC HMC Industries	RAB 1/0 Series

PAD MOUNTED SIGNAL CONTROL STATION	MODEL
Milbank Signal Service Only.....	CP3B51C1PAAOMO1
Milbank Signal with 120 Volt Lighting.....	CP3B51C1PBAOMO2
Milbank Signal with 240 Volt Lighting.....	CP3B62C2NBAOMO1

SIGNAL BULBS

OPTICALLY LIMITED	MODEL
3M.....	78-8008-7703-3
General Electric (GE)	150PAR46/TS
Philips	150PAR46/TS

STANDARD - 1260 LUMEN (8 inch indications)	MODEL
Sylvania	116A21TS8M

MISSOURI DEPARTMENT OF TRANSPORTATION

APPROVED PRODUCTS LIST

STANDARD - 1750 LUMEN (12 inch indications)

MODEL

Aero-Tech.....	01605
Aero-Tech.....	01614
H&H Industries	HH229
H&H Industries	HH217
Philips.....	K135A21/TS/EW
Radiant.....	K135A21TS
Sylvania.....	135A21/TS/8M/SS

LIGHT EMITTING DIODES (LED)

REGULAR VIEW

MODEL

Act One Communications, Inc.....	T1-08A-0004 (8" Yellow Ball – for use at fire stations)
Act One Communications, Inc.....	T1-12G-001 (Green Ball)
Act One Communications, Inc.....	T1-12R-004 (Red Ball)
Act One Communications, Inc.....	TA-12A-5 (Yellow Arrow)
Act One Communications, Inc.....	TA-12G-5 (Green Arrow)
Dialight.....	431-3334-001 Rev. B2 (Yellow Arrow)
Dialight.....	432-1210-001 (Red Ball)
Dialight.....	432-2270-001 (Green Ball)
Dialight.....	432-2374-001 (Green Arrow)
Dialight.....	433-1210-003 (Red Ball)
Dialight.....	433-2270-001 (Green Ball)
Dialight.....	433-3230-001 (Yellow Ball)
Duralight.....	JXJ-300VIGB (Green Arrow)
Duralight.....	JXJ-300VIYB (Yellow Arrow)
GELcore.....	DR4-YTFB-20A-22 (8" Yellow Ball – for use at fire stations)
GELcore.....	DR6-RTFB-20A (Red Ball)
GELcore.....	DR6-GCFB-20A (Green Ball)
GELcore.....	DR6-YTFB-20A (Yellow Ball)
GELcore.....	DR6-YTAAN-21A (Yellow Arrow)
GELcore.....	DR6-GCAAN-21A (Green Arrow)
Ledtronics.....	TRF-112-OBG-120A (Green Ball)
Ledtronics.....	TRF-112-OPY-120A (Yellow Ball)
Ledtronics.....	TRF-108-OPY-120A (8" Yellow Ball – for use at fire stations)
Leotek.....	TSL-12G-MH-A1 (Green Ball)
Leotek.....	TSL-12R-MH-A1 (Red Ball)
Leotek.....	TSL-12YA-MF-A1 (Yellow Arrow)
Leotek.....	TSL-12GA-MF-A1 (Green Arrow)
Precision Solar Controls.....	2015 (Yellow Ball)
Precision Solar Controls.....	2035 (Green Ball)
Precision Solar Controls.....	2942 (Red Ball)
Precision Solar Controls.....	2944 (Green Ball)

MISSOURI DEPARTMENT OF TRANSPORTATION

APPROVED PRODUCTS LIST

EXPANDED VIEW

MODEL

Act One Communications, Inc.....	T1-12R-W (Red Ball)
Act One Communications, Inc.....	T1-12G-W (Green Ball)
Act One Communications, Inc.....	T1-12A-W (Yellow Ball)
Dialight.....	433-1210-003 (Red Ball)
Dialight.....	433-2270-001 (Green Ball)
Dialight.....	433-3230-001 (Yellow Ball)
Dialight.....	435-1210-001 (Red Ball)
Dialight.....	435-2220-001 (Green Ball)
Dialight.....	435-3230-001 (Yellow Ball)
Duralight	JXC300-CAG (Green Ball)
Duralight	JXC300-CAY (Yellow Ball)
Duralight	JXC300-CAR (Red Ball)
GELcore	DR6-RTFB-20A-40 (Red Ball)
GELcore	DR6-GCFB-20A-40 (Green Ball)
GELcore	DR6-YTFB-20A-40 (Yellow Ball)
Leotek.....	TSL-EV12R-HP3-A1 (Red Ball)
Leotek.....	TSL-EV12G-HP3-A1 (Green Ball)
Leotek.....	TSL-EV12Y-HP1-A1 (Yellow Ball)

PROGRAMMABLE VIEW

MODEL

Dialight.....	P463R33003 (Red Ball)
Dialight.....	P463Y33003 (Yellow Ball)
Dialight.....	P463G33003 (Green Ball)
GELcore	DR3-RCFB-01A (Red Ball)
GELcore	DR3-YCFB-01A (Yellow Ball)
GELcore	DR3-GCFB-01A (Green Ball)

VIDEO DETECTION SYSTEMS

VIDEO DETECTOR

MODEL

Econolite.....	Autoscope 2004
Econolite.....	Autoscope 2020
Econolite.....	Autoscope Solo Pro
Iteris	Vantage Edge2
Traficon.....	VIP 3.1
Traficon.....	VIP 3.2

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

III. HIGHWAY LIGHTING

All highway lighting equipment require a one-year evaluation period except for items noted requiring a six-month evaluation.

LIGHTING POLES

Note: Poles do not require an evaluation period. Poles shall be fabricated in accordance with MoDOT specifications and standards. They shall be pre-approved as required by the MoDOT standards and specifications in order to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Lighting poles are subject to field inspection before acceptance.

STEEL POLES

DRAWING NUMBER

Ameron International	MO98AT2 – Rev. 4 (Type AT45)
Ameron International	MO98AT3 – Rev. 4 (Type AT45)
Ameron International	MO98AT4 – Rev. 3 (Type AT30)
Ameron International	MO98B2 – Rev. 3 (Type B45 & MB45)
Ameron International	MO98B4 – Rev. 2 (Type B30)
Union Metals.....	71019-B6 - Rev. 7 (Type AT45)
Union Metals.....	71019-B7 - Rev. 4 (Types B45 & MB45)
Union Metals.....	71020-B2 - Rev. 5 (Type AT30)
Union Metals.....	71020-B3 - Rev. 4 (Type B30)
Valmont	DB00019 – Rev. N (Types AT30 & B30)
Valmont	DB00020 – Rev. N (Types AT45, B45 & MB45)

FOUNDATIONS

Note: Screw anchor foundations do not require an evaluation period. Screw anchor foundations shall be fabricated in accordance with MoDOT specifications and standards. They shall be pre-approved as required by the MoDOT standards and specifications in order to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Screw anchor foundations are subject to field inspection before acceptance.

SCREW ANCHOR FOUNDATIONS

DRAWING NUMBER

J. H. Botts	JHB MOH 30 – Rev. B (Type AT30)
J. H. Botts	JHB MOH 45-1 - Rev. B (Type AT45)
J. H. Botts	JHB MOH 30 – Rev. C (Type AT30)
J. H. Botts	JHB MOH 45 – Rev. C (Type AT45)
Hubbell Chance	SA112-0695 – Rev. A (Type AT45)
Hubbell Chance	SA112-0696 – Rev. A (Type AT30)
Hubbell Chance	SA112-0696 – Rev. C (Type AT30)
Hubbell Chance	SA112-0695 – Rev. D (Type AT45)

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

LUMINAIRES

NOTE: *Luminaires will not be furnished with photoelectric cells. Receptacles will have a shorting plug in place of cell. Multi-tap ballast for 120 Volt and 240 Volt fixtures is permissible.*

BRACKET ARM MOUNT - 150 WATT

MODEL

American Electric Lighting	115 Series
American Electric Lighting	Durastar 2000, Series 30
Crouse-Hinds/Cooper	OVZ Series
Crouse-Hinds/Cooper	OVX Series
General Electric (GE)	M2RR Series
Holophane	Mongoose Series

BRACKET ARM MOUNT - 250 WATT

MODEL

American Electric Lighting	115 Series
American Electric Lighting	Durastar 2000, Series 30
Crouse-Hinds/Cooper	OVZ Series
Crouse-Hinds/Cooper	OVX Series
General Electric (GE)	MSRL Series
Holophane	Mongoose Series

BRACKET ARM MOUNT - 400 WATT

MODEL

American Electric Lighting	125 Series
American Electric Lighting	Durastar 2000, Series 30
Crouse-Hinds/Cooper	OVX Series
General Electric (GE)	MSRL Series
Holophane	Mongoose Series

HIGH MAST LIGHTING

MODEL

NOTE: *High mast lighting is custom designed for the location. Fixtures from the following manufacturer's series are considered pre-approved.*

Cooper	HMC Series
General Electric (GE)	HMA Series
Holophane	HMS Series
Metrolux	VA Series

POLE TOP MOUNTING

MODEL

Holophane	HL2A Series
Holophane	Mongoose Series

SIGN LIGHTING - 250 WATT

MODEL

General Electric (GE)	V2FN Series
Guth	B17632 Series
Holophane	PANL Series
Holophane	SNVW Series

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

SIGN LIGHTING - 400 WATT

MODEL

Holophane.....	PANL Series
Holophane.....	SNVW Series

UNDERPASS (WALLPACKS)

MODEL

American Electric Lighting	582 Series
Cooper	WPK Series
General Electric (GE).....	WAL Series
Holophane.....	MDWP Series
Holophane.....	WL2K Series
Hubbell	PGM-150S Series

CONTROL EQUIPMENT

CONTACTORS-ELECTROMECHANICAL

MODEL

Square D.....	Type S
Westinghouse/Cutler-Hammer	A202 Series

CONTACTORS-MERCURY

MODEL

Dayton/Duracool	6A/6X Series
Magnecraft.....	WM Series

CONTROL CABINETS

NOTE: Cabinets that meet MoDOT specifications from the following manufacturers will be accepted. All other manufacturers must provide a model that meets specifications and complete a satisfactory six-month evaluation as described above to be added to the list.

Cleveland Switchboard
Coxline
Hoffman
Shallbetter
Inland Technologies

LIGHTNING ARRESTER

MODEL

Delta	LA 600 Series
General Electric Tranquell	9L15ECB001

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

METER SERVICE PEDESTAL

MODEL

Milbank	CP3B51C1PBAOMO3 (240 volt)
Milbank	CP3B51D1PBAOMO1 (480 volt)
Myers	MEUGLA -M100-MDOT
Myers	MEUG20 (120/240 volt)
Pacific Utility Products	USP16-M2100-112C-MODOT (120/240 volt)
Pacific Utility Products	USP16-M2100-112C-MODOT (240/480 volt)
Pacific Utility Products	USPA-100-100-MODOT(120/240 volt)
Tesco	28-105 Type III BF (120/240 volt)
Tesco	28-102F (120/240 volt)

MOUNTING SOCKET FOR PHOTOELECTRIC CONTROL

MODEL

NOTE: Mounting sockets require a six-month evaluation.

American Electric Lighting	PBC
Fischer-Pierce	S476-71
General Electric (GE)	MB-PECTL

PHOTOELECTRIC CONTROL

MODEL

Area Lighting Research	SST Series
American Electric Lighting	8060-4F
American Electric Lighting	D120-1.0-ST (Dark to Light)
Fischer-Pierce	7700 Series
General Electric (GE)	PEC01TL (>120v/< 305v w/ time delay)
General Electric (GE)	PEC1TL (120v)
General Electric (GE)	PEC5TL (480v)
ITT	SAT-15

TYPE A CIRCUIT BREAKERS

MODEL

Square D	FAL Series
Westinghouse/Cutler-Hammer	EHD Series (1-Pole)
Westinghouse/Cutler-Hammer	FDB Series (2-Pole)

MISCELLANEOUS

AVIATION LIGHTING

MODEL

Hughey & Phillips	KG114
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FUSED SLIP CONNECTORS

MODEL

NOTE: Slip connectors require a six-month evaluation.

Buss	HEB-JWRYC
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MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

NAVIGATION LIGHTING

MODEL

Tideland	ML-140 with TF-3AC Lamp Changer
Automatic Power, Inc.	FA-143

SPLICE KITS

MODEL

3M	82A1 (Single)
3M	82A2 (Single)
3M	82B1 (Three Way)
3M	82B2 (Three Way)
HOMAC HMC Industries.....	RAB 1/0 Series

TRANSFORMER BASES

MODEL

Akron Foundry	TB1-17H (for AT30)
Akron Foundry	TB3-17H (for AT45)

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

IV. POWER SUPPLY EQUIPMENT AND PULL BOXES

All items require a six-month evaluation period.

MAIN SERVICE DISCONNECT ENCLOSURE WITH SAFETY SWITCH (NEMA 4)

	MODEL
General Electric (GE).....	TE 100 CS
Square D.....	FA-100-DS Series E2
Westinghouse.....	WFDN 100

PREFORMED PULL BOX-CLASS 1

	MODEL
Straight	
Armorcast Products Company.....	A6001640TAPCX22 (Box & Lid)
Carson Industries	H1730-24 (Box)
.....	H1730-PI (Lid)
Strongwell/Quazite.....	PG1730B532 (Box)
	PG1730H511 (Lid)
	PG1730BA Series
Synertech.....	S1730B24AA (Box)
	S1730HBB0A (Lid)
Flared	
Armorcast Products Company.....	A6001640TAX24 (Box & Lid)
Associated Plastics/New Basis.....	FCA173022CC4126-62 (Box & Lid)
Associated Plastics/New Basis.....	FCA173022CC4749-61 (Box & Lid)
Associated Plastics/New Basis.....	FCA173024CC40303 (Box & Lid)
CDR	SA12-1730-22 Series (Box & Lid)
Pencell Plastics.....	PEM-1830-PCX (Box & Lid)

PREFORMED PULL BOX-CLASS 2

	MODEL
Straight	
Armorcast Products Company.....	A6001974TAPCX26 (Box & Lid)
Armorcast Products Company.....	A6001974TAPCX24
Carson Industries.....	H2436-24 (Box)
.....	H2436-PI (Lid)
Strongwell/Quazite.....	PG2436B539 (Box)
	PG2436H508 (Lid)
	PG2436BA Series
Synertech.....	S2436B26AA (Box)
	S2436HCB0A (Lid)
Flared	
Armorcast Products Company.....	A6001974TAX26 (Box & Lid)
Armorcast Products Company.....	A6001974TAX24
Associated Plastics/New Basis.....	FCA243630CC4126-61 (Box & Lid)
Associated Plastics/New Basis.....	FCA243630CC4749-61 (Box & Lid)
Associated Plastics/New Basis.....	FCA243624CC40716 (Box & Lid)
CDR	SA12-2436-24 Series (Box & Lid)
Pencell Plastics.....	PEM-2436-36 (Box & Lid)
Pencell Plastics.....	PEM-2436-PCX-24 (Box & Lid)
Synertech.....	S2436B24AA (Box)
.....	S2436HCB0A (Lid)

MISSOURI DEPARTMENT OF TRANSPORTATION

APPROVED PRODUCTS LIST

PREFORMED PULL BOX-CLASS 3

MODEL

Straight

Armorcast Products Company.....A6001430TAPCX36 (Box & Lid)

Carson Industries.....H3048-36 (Box)

.....H3048-P1 (Lid)

Strongwell/Quazite.....PG3048B560 (Box)

PG3048H517 (Lid)

PG3048BA Series

Synertech.....S3048B36AA (Box)

S3048HCB0A (Lid)

Flared

Armorcast Products Company.....A6001550TAX36 (Box & Lid)

Associated Plastics/New Basis.....FCA304836EE4749-61 (Box & Lid)

Associated Plastics/New Basis.....FCA304836EE40304 (Box & Lid)

CDRSA12-3048-36W Series (Box & Lid)

Pencell Plastics.....PEM-3048-36-PCX-SPLIT (Box & Lid)

PREFORMED PULL BOX-CLASS 5

MODEL

Flared

Armorcast Products Company.....A6001466TA (Box & Lid)

Armorcast Products Company.....A6000172TAX36 (Box & Lid)

CDRSA12-3200-36 (Box & Lid)

New Basis.....FCA540036C4800 (Box & Lid)

PREFERENCE IN PURCHASING PRODUCTS

DATE: _____

The bidders attention is directed to Section 34.076 RSMo 2000 which gives preference to Missouri corporations, firms, and individuals when letting contracts or purchasing products.

Bids/Quotations received will be evaluated on the basis of this legislation.

All vendors submitting a bid/quotation must furnish ALL information requested below.

FOR CORPORATIONS:

State in which incorporated: _____

FOR OTHERS:

State of domicile: _____

FOR ALL VENDORS:

List address of Missouri offices or places of business:

THIS SECTION MUST BE COMPLETED AND SIGNED:

FIRM NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

BY (signature required): _____

Federal Tax I.D. #: _____ if no Federal Tax I.D. # - list Social Security #: _____

NOTE: For bid/quotation to be considered, the "Preference in Purchasing Products" form must be on file in the General Services (Procurement) Division and must be dated in the current calendar year.

MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT

The bidder's attention is directed to the Missouri Domestic Products Procurement Act, Sections 34.350 to 34.359, RsMO, which requires all manufactured goods or commodities used or supplied in the performance of this contract or any subcontract to be manufactured or produced in the United States.

Section 34.355, RsMO, requires the vendor or contractor to certify his compliance with Section 34.353 and, if applicable, Section 34.359, RsMO, at the time of bidding **and** prior to payment. Failure to comply with Section 34.353, RsMO, during the performance of the contract **and** to provide certification of compliance prior to payment will result in nonpayment for those goods or commodities.

Section 34.353.2, RsMO, specifies that it does not apply where the total contract is less than Twenty-Five Thousand Dollars (\$25,000.00). If your total bid is Twenty-Five Thousand Dollars (\$25,000.00) or more, you **must** complete this form as directed below.

Failure to complete and return this document with this bid will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis. Please read the certification appearing below on this form.

[] If all the goods or products specified in the attached bid which the bidder proposes to supply to the State shall be manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left.

[] If only one item of any particular goods or products specified in the attached bid is manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left and list the items (or item number) here:

[] If any or all of the goods or products specified in the attached bid which the bidder proposes to supply to the State are **not** manufactured or produced in the "United States" as defined in Section 34.350, RsMO, then: (a) check the box at left; (b) list below, by item (or item number), the country other than the United States where each good or product is manufactured or produced; and (c) check the boxes to the left of the paragraphs below if applicable and list the corresponding items (or item numbers) in the spaces provided.

Item (or item number)	Location Where Item Manufactured or Produced

(attach an additional sheet if necessary)

[] The following specified goods or products cannot be manufactured or produced in the United States in sufficient quantities or in time to meet the contract specifications. Items (or item numbers): _____

[] The following specified goods or products must be treated as manufactured or produced in the United States, in accordance with an existing treaty, law, agreement, or regulation of the United States, including a treaty between the United States and any foreign country regarding export-import restrictions or international trade. Items (or item numbers): _____

CERTIFICATION

By submitting this document, completed as directed above, with a bid, the bidder certifies under penalty of making false declaration (Section 575.060, RsMO) that the information contained in this document is true, correct and complete, and may be relied upon by the State in determining the bidders qualifications under and in compliance with the Missouri Domestic Products Procurement Act.

The bidder's failure to complete and return this document with the bid as directed above will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis pursuant to Section 34.353.3(2), RsMO.

Missouri Highways and Transportation Commission
Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

STANDARD SOLICITATION PROVISIONS

- a. The Missouri Department of Transportation (MoDOT) reserves the right to reject any or all bids/quotes/proposals, and to accept or reject any items thereon, and to waive technicalities. In case of error in the extension of prices in the bid/quote/proposal, unit prices will govern.
- b. All bids/quotes/proposals must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.
- c. By virtue of statutory authority, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown, within the State of Missouri.
- d. Time of delivery is a part of the consideration and, if not otherwise stated in the solicitation documents, must be stated in definite terms by the Bidder/Offeror and must be adhered to. If time varies on different items, the Bidder/Offeror shall so state.
- e. If providing bids/quotes/proposals for commodities, the Bidder/Offeror will state brand or make on each item. If bidding or proposing other than the make, model or brand specified, the manufacturer's name, model number or catalog number must be given.
- f. **For bids/proposals of \$25,000 or more**, no bids/proposals by telephone, telegram or telefax will be accepted. If provided, these bids/proposals should be returned in the MoDOT solicitation return envelope.
- g. If a solicitation return envelope is provided by MoDOT, the bid/quote/proposal should be returned in the envelope provided with the Bid/RFP/RFP Request Number plainly indicated thereon.
- h. The date specified for the returning of bids/quotes/proposals is a firm deadline and all bids/quotes/proposals must be received at the designated office by that time. The Department does not recognize the U.S. Mail, Railway Express Agency, Air Express, or any other organization, as its agent for purposes of accepting proposals. All proposals arriving at the designated office after the deadline specified will be rejected.

GENERAL TERMS AND CONDITIONS

General Performance

- a. This work is to be performed under the general supervision and direction of the Missouri Department of Transportation (MoDOT) and, if awarded any portion of the work, the Contractor agrees to furnish at his own expense all labor and equipment required to complete the work, it being expressly understood that this solicitation is for completed work based upon the price(s) specified and is not a solicitation for rental of equipment or employment of labor by MoDOT, and MoDOT is to have no direction or control over the employees used by the Contractor in performance of the work.

Deliveries

- a. Unless otherwise specified on the solicitation documents or purchase order, suppliers shall give at least 24 hours advance notice of each delivery. Delivery will only be received between the hours of 8:00 a.m. to 3:00 p.m., Monday through Friday. Material arriving after 3:00 p.m. will not be unloaded until the following workday. No material will be received on Saturday, Sunday or state holidays.
- b. If the prices bid herein include the delivery cost of the material, the Contractor agrees to pay all transportation charges on the material as FOB - Destination. Freight costs must be included in the unit price bid and not listed as a separate line item.
- c. Any demurrage is to be paid by the Contractor direct to the railroad or carrier.

Nondiscrimination

- a. The Contractor shall comply with the Regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- b. All solicitations either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials or leases of the Contractor's obligations under this contract and the Regulations, will be relative to nondiscrimination on the grounds of race, color, or national origin.
 - 1) **Sanctions for Noncompliance:** In the event of the Contractor's noncompliance with the nondiscrimination provisions of this contract, MoDOT shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - i. withholding of payments to the Contractor under the contract until the Contractor complies, and/or,
 - ii. cancellation, termination or suspension of the contract, in whole or in part.

Contract/Purchase Order

- a. By submitting a bid/quote/proposal, the Bidder/Offeror agrees to furnish any and all equipment, supplies and/or services specified in the solicitation documents, at the prices quoted, pursuant to all requirements and specifications contained therein.

Missouri Highways and Transportation Commission
Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

- b. A binding contract shall consist of: (1) the solicitation documents, amendments thereto, and/or Best and Final Offer (BAFO) request(s) with any changes/additions, (2) the Contractor's proposal and/or submitted pricing, and (3) the MHTC's acceptance of the proposal and/or bid by purchase order or post-award contract.
- c. A notice of award does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services, the Contractor must receive a properly authorized purchase order and/or notice to proceed.
- d. The contract expresses the complete agreement of the parties and performance shall be governed solely by the specifications and requirements contained therein. Any change, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the Contractor and the duly authorized representative of the MHTC, by a modified purchase order prior to the effective date of such modification. The Contractor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, shall be used or construed as an amendment or modification.

Subcontracting

- a. It is specifically understood that no portion of the material or any interest in the contract, shall be subcontracted, transferred, assigned or otherwise disposed of, except with the written consent of MoDOT. Request for permission to subcontract or otherwise dispose of any part of the work shall be in writing to MoDOT and accompanied by documentation showing that the organization which will perform the work is particularly experienced and equipped for such work.
- b. Consent to subcontract or otherwise dispose of any portion of the work shall not be construed to relieve the Contractor of any responsibility for the production and delivery of the contracted work and the completion of the work within the specified time.
- c. All payments for work performed by a subcontractor shall be made to the Contractor to whom the contract was awarded and the purchase order issued.

Invoicing and Payment

- a. MoDOT is exempt from paying Missouri Sales Tax, Missouri Use Tax and Federal Excise Tax. However, the Contractor may themselves be responsible for the payment of taxes on materials they purchase to fulfill the contract. A Federal Excise Tax Exemption Certificate will be furnished to the successful Bidder/Offeror upon request.
- b. Each invoice should be itemized in accordance with items listed on the purchase order and/or contract. The statewide financial management system has been designed to capture certain receipt and payment information. Therefore, each invoice submitted must reference the purchase order number and must be itemized in accordance with items listed on the purchase order. Failure to comply with this requirement may delay processing of invoices for payment.
- c. Unless otherwise provided for in the solicitation documents, payment for all equipment, supplies, and/or services required herein shall be made in arrears. The Missouri Highways and Transportation Commission (MHTC) shall not make any advance deposits.
- d. The MHTC assumes no obligation for equipment, supplies, and/or services shipped or provided in excess of the quantity ordered. Any authorized quantity is subject to the MHTC's rejection and shall be returned at the Contractor's expense.
- e. The MHTC reserves the right to purchase goods and services using the state-purchasing card.

Applicable Laws and Regulations

- a. The contract shall be construed according to the laws of the State of Missouri. The Contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract.
- b. The Contractor must be registered and maintain good standing with the Secretary of State of the State of Missouri and other regulatory agencies, as may be required by law or regulations. Prior to the issuance of a purchase order and/or notice to proceed, the Contractor may be required to submit to MoDOT a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.
 - 1) Prior to the issuance of a purchase order and/or notice to proceed, all **out-of-state** Contractors **providing services** within the state of Missouri must submit to MoDOT a copy of their current Transient Employer Certificate from the Department of Revenue, in addition to a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.
- c. The exclusive venue for any legal proceeding relating to or arising, out of the contract shall be in the Circuit Court of Cole County, Missouri.

Preferences

- a. In the evaluation of bids/quotes/proposals, preferences shall be applied in accordance with Chapter 34 RSMo. Contractors should apply the same preferences in selecting subcontractors.

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- b. By virtue of statutory authority, RSMo. 34.076 and 34.350 to 34.359, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown within the State of Missouri. Such preference shall be given when quality is equal or better and delivered price is the same or less.
 - 1) If attached, the document entitled **"PREFERENCE IN PURCHASING PRODUCTS"** should be completed and returned with the solicitation documents.
 - 2) If attached, the document entitled **"MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT"** should be completed and returned with the solicitation documents. **Applies if bid is Twenty-Five Thousand Dollars (\$25,000.00) or more.**
- c. In the event of a tie of low bids, the MHTC reserves the right to establish the method to be used in determining the award

Remedies and Rights

- a. No provision in the contract shall be construed, expressly or implied, as a waiver by the MHTC of any existing or future right and/or remedy available by law in the event of any claim by the MHTC of the Contractor's default or breach of contract.
- b. The Contractor agrees and understands that the contract shall constitute an assignment by the Contractor to the MHTC of all rights, title and interest in and to all causes of action that the Contractor may have under the antitrust laws of the United States or State of Missouri for which causes of action have accrued or will accrue as the result of or in relation to the particular equipment, supplies, and/or services purchased or produced by the Contractor in the fulfillment of the contract with the MHTC.
- c. In the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Contractor may request MoDOT to enter into such litigation to protect the interests of the MHTC, and, in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

Cancellation of Contract

- a. The MHTC may cancel the contract at any time for a material breach of contractual obligations or for convenience by providing the Contractor with written notice of cancellation. Should the MHTC exercise its right to cancel the contract for such reasons, cancellation will become effective upon the date specified in the notice of cancellation sent to the Contractor.
- b. If the MHTC cancels the contract for breach, the MHTC reserves the right to obtain the equipment, supplies, and/or services to be provided pursuant to the contract from other sources and upon such terms and in such manner as the MHTC deems appropriate and charge the Contractor for any additional costs incurred thereby.

Bankruptcy or Insolvency

- a. Upon filing for any bankruptcy or insolvency proceeding by or against the Contractor, whether voluntary or involuntary, or upon the appointment of a receiver, trustee, or assigned the benefit or creditors, the Contractor must notify MoDOT immediately. Upon learning of any such actions, the MHTC reserves the right, at its sole discretion, to either cancel the contract or affirm the contract and hold the Contractor responsible for damages.

Inventions, Patents, and Copyrights

- a. The Contractor shall defend, protect, and hold harmless the MHTC, its officers, agents, and employees against all suits of law or in equity resulting from patent and copyright infringement concerning the Contractor's performance or products produced under the terms of the contract.

Inspection and Acceptance

- a. No equipment, supplies, and/or services received by MoDOT pursuant to a contract shall be deemed accepted until MoDOT has had reasonable opportunity to inspect said equipment, supplies, and/or services.
- b. All equipment, supplies, and/or services which do not comply with the specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the Contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.
- c. The MHTC reserves the right to return any such rejected shipment at the Contractor's expense for full credit or replacement and to specify a reasonable date by which replacements must be received.
- d. The MHTC's right to reject any unacceptable equipment, supplies, and/or services shall not exclude any other legal, equitable or contractual remedies the MHTC may have.

Warranty

- a. The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished to or adopted by MoDOT, (2) be fit and sufficient for the purpose expressed in the solicitation documents, (3) be merchantable, (4) be of good materials and workmanship, and (5) be free from defect.
- b. Such warranty shall survive delivery and shall not be deemed waived either by reason of the MHTC's acceptance of or payment for said equipment, supplies, and/or services.

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Status of Independent Contractor

- a. The Contractor represents itself to be an independent Contractor offering such services to the general public and shall not represent itself or its employees to be an employee of the MHTC. Therefore, the Contractor shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, workers' compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save and hold the MHTC, its officers, agents and employees harmless from and against any and all losses (including attorney fees) and damage of any kind related to such matters.

Indemnification

- a. The Contractor shall be responsible for injury or damages as a result of any services and/or goods rendered under the terms and conditions of this Agreement.
- b. In addition to the liability imposed upon the Contractor on the account of personal injury, bodily injury, including death, or property damage, suffered as a result of the Contractor's performance under this Agreement, the Contractor assumes the obligation to save harmless the Commission, including its agents, employees and assigns, and to indemnify the Commission, including its agents, employees and assigns, from every expense, liability or payment arising out of such wrongful or negligent act or omission, including legal fees.
- c. The Contractor also agrees to hold harmless the Commission, including its agents, employees and assigns, from any wrongful or negligent act or omission committed by any subcontractor or other person employed by or under the supervision of the Contractor for any purpose under this Agreement, and to indemnify the Commission, including its agents, employees and assigns, from every expense, liability or payment arising out of such wrongful or negligent act or omission.